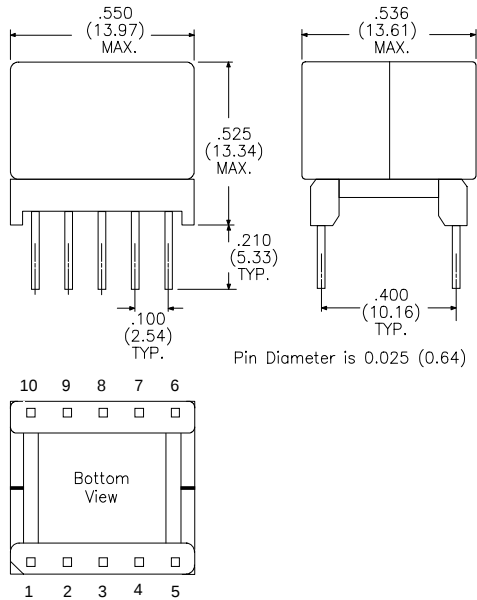


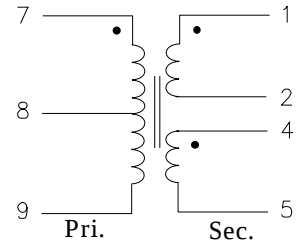
**EP13 Package**  
Available in Surface Mount  
Add suffix "G" to part number



Electrical Specifications at 25°C

| P/N (EP13 Type)                            | T-1115 | T-1116 | T-1117 | T-1118 | T-1119 | Units            |
|--------------------------------------------|--------|--------|--------|--------|--------|------------------|
| Turns Ratio $\pm 2\%$<br>(Pins 7-9 : 1-5)  | 1:2.24 | 1:1.2  | 1.8:1  | 1:1    | 1:1    |                  |
| Inductance $\pm 7\%$<br>Device Side (Pri.) | 0.36   | 1.25   | 5.83   | 1.8    | 0.37   | mH               |
| Leakage Inductance                         | 13     | 13     | 20     | 20     | 11     | $\mu$ H          |
| DC Resistance Pri.                         | 0.3    | 1.2    | 8.0    | 1.0    | 2.2    | $\Omega$         |
| DC Resistance Sec.                         | 0.8    | 1.3    | 1.3    | 1.3    | 1.8    | $\Omega$         |
| Longitudinal<br>Balance (Min)              | 50     | 50     | 50     | 50     | 50     | dB               |
| Isolation (Min.)                           | 1500   | 1500   | 1500   | 1500   | 1500   | V <sub>RMS</sub> |

Schematic for EP13 Type



## ADSL Line Interface Transformers

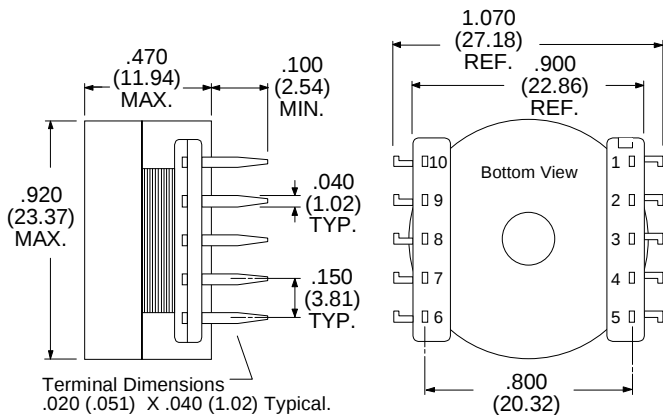
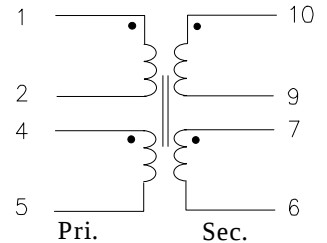
For Designs using Globespan "CAP" Technology,  
Please inquire for proper transformer selection

For Complete Details including  
PDF Catalogs & Data Sheets on this  
and other product families visit

[www.rhombus-ind.com](http://www.rhombus-ind.com)

ADSL Transformers  
Low Profile "Touch Tone" Design  
Surface Mount Versions Available

Schematic  
RS23X11



Electrical Specifications at 25°C

| Parameters (RS2311 Type) | P/NT-726 | P/NT-727  | Units            |
|--------------------------|----------|-----------|------------------|
| Turns Ratio $\pm 3\%$    | 1 : 1    | 1 : 0.714 |                  |
| Inductance $\pm 5\%$     | 367      | 475       | $\mu$ H          |
| Leakage Inductance max.  | 20       | 20        | $\mu$ H          |
| Interwinding Capacitance | 30       | 30        | pF               |
| Primary DC Resistance    | 0.85     | 1.6       | $\Omega$         |
| Secondary DC Resistance  | 1.0      | 3.8       | $\Omega$         |
| Isolation (HI-POT)       | 3000     | 3000      | V <sub>RMS</sub> |
| Primary DC               | 80       | 80        | mA               |

**RS23X11 Package**  
Available in Surface Mount  
Add suffix "G" to part number  
(Refer to SMD package drawing page 23)